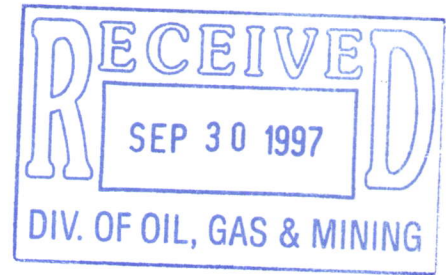




m/045/028



Date: September 29, 1997

Ms. Margaret Wyatt
U. S. Department of the Interior
Bureau of Land Management
2370 South 2300 West
Salt Lake City, Utah 84119

Subject: 3809 U-75735 (UT-023) Dolomite Millsite Claims PLAN OF OPERATIONS.

Dear Ms. Wyatt,

Chemical Lime Company has prepared a PLAN OF OPERATIONS for the DOLOMITE MILLSITE CLAIMS. This document follows the methodology provided by Michael Ford, from your staff. Also attached are copies of documents that were submitted to the State of Utah, Division of Oil, Gas and Mining. These documents are plant file copies, and therefore don't always have all signatures attached. Copies of the actual signed documents can be obtained from the Division of Oil, Gas and Mining.

If there are any area that are not addressed as completely as the BLM needs, please feel free to contact the Grantsville Utah Facility. Contacts at the facility are **Russ Curtis - Plant Manager**, or **Richard Beckstead - Process Engineer**. The phone number is (801) 531-8153, or the Fax is (801) 884-6556.

Richard D. Beckstead
Process Engineer

cc: **D. Wayne Hedberg, UDOGM**
James Kelley, Chemical Lime Co.

Chemical Lime Company
P.O. Box 537
Grantsville, Utah 84029
Phone: (801) 531-8153 (801) 884-3972
Fax (801) 884-6556



Mining Claim Numbers: UMC 94016 - 94045

Mining Claim Name: Dolomite Millsite No. 1 thru No. 30

Claimant, Operator, Agent:

Claimant: Name Chemical Lime Company
P.O. Box 121874
Fort Worth, Texas 76121-1874
Phone # (817) 732-8164

Operator: Name Chemical Lime Company
P.O. Box 537
Grantsville, Utah 84029
Phone # (801) 531-8153

Location and Access:

General Description of Location: Dolomite Millsite Claims 1-30

Legal Description: SW1/4 of Section 25, S1/2, S1/2, NW1/4 of Section 25
Township: 1S Range: 7W Meridian: SLB&M
County: Tooele

Estimated total acreage of the area presently disturbed, and acreage of area that is proposed for disturbance: The disturbed areas are presently found only on the millsites 1, 2, 3, 10, 11, and 12. The total acreage of this area is 11.2 acres. Chemical Lime Company (CLC) is preparing to use millsite claims 23, 24, 25, and 26, as a waste rock storage area. Modifications to the mining plan are presently being prepared so that copies can be distributed to the Utah State Division of Oil, Gas, & Mining, as an amendment to the current mining plan on file in that office. This waste rock storage area will disturb up to an additional 21.7 acres of the millsite claims after the operation plan is approved.

Estimated acreage per year to be disturbed by mining operation: There are no dolomitic reserves found on these millsite claims. These claims are used primarily to support the mining operation by providing accessible sites for stockpiling materials that are presently unuseable in the current lime industry markets. The areas addressed under 'disturbances' include all areas currently being considered under the amended mining plan. Any increases will be addressed as mining plan amendments.

Access: Describe the existing and proposed access to the operation site. If new access is proposed, discuss widths, erosion control measures, and grade: Existing access to the millsites that are currently disturbed is via a road that was installed about 2 years ago, which is 20 feet wide and extends onto the millsites about 0.15 miles. Berms have been placed on the downhill side to control rainwater runoff. The road surface will consist of

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packed -1/4" chat from the stone crushing operation. This road was built at the request of the Tooele County Health Department. (New regulations relating to 'municipal landfills' resulted in a lot of unauthorized dumping throughout the county.) The road has a maximum of about a 10% grade.

The proposed access to the proposed waste rock storage area will be built on nearly flat ground. This road will be about 20 to 30 feet wide and will run about 0.15 miles onto the mill sites. A small berm will be installed on the downhill side of the road to control any rainwater runoff. The road surface will consist of packed -1/4" chat from the stone crushing operation.

General Information

Proposed starting date of operation: October 1997

Operation of these sites is and will be Intermittent. (Waste materials are hauled to these areas on a need basis.) The sites will be operating 12 months per year.

PUBLIC SAFETY

What provisions will you make for Public Safety regarding open pits, and trenches? This operation will not involve open pits and trenches.

Equipment, Personnel, and Supporting Facilities.

Equipment: List all equipment to be utilized in connection with the proposed activity, e.g.: mining, road maintenance, hauling, etc. If explosives will be used, please indicate. Will explosives be stored on site?

No stationary equipment will be installed on these sites. All stationary equipment is available on adjacent privately owned property. Mobile equipment will include 1 - Caterpillar D8 Dozer, 2 - Euclid haul trucks, 1 - Kamatsu Front-End Loader, 1 - water truck, 1 - grader, and various 1-ton and pickup trucks. No explosives will be stored or used on these sites. (Explosives are stored on adjacent privately owned property.) Drilling Equipment may be parked on this site, but, no drilling is planned for this area.

Personnel: How many people will be working at the site? Typically, no more than 5 people will be on these sites at any one time. The Supporting Facilities employ 37 people.

Supporting Facilities: Describe any proposed or existing structures, sanitary facilities, or secured areas, and justify the reasons for continued maintenance and/or construction of these facilities: There are presently no structures on these sites. The property is occupied by a waste lime stockpile, and the proposed area will be occupied by a waste stone stockpile.

Proposed Exploration

Dimensions of proposed holes, trenches, or excavations: No exploration is planned for this property.

Proposed (Existing) Mining Operations

Estimated size of operations: 5,000 - 50,000 cubic yards per year, the first year, and then varying from 500 - 5,000 cubic yards per year, to 5,000 - 50,000 cubic yards per year thereafter.

Total Anticipated Production:

Quantity of ore to be removed: 0 cubic yards.

Waste Retained on Site: 50,000 to 100,000 tons

Waste Disposed of, off site: Does not apply

Maximum anticipated dimensions of pit area: Does not apply

Number of linear feet of underground workings: Does not apply

Mining Method: Check all that apply.

| | | |
|--------------------|-----------------------|----------------------|
| Underground _____ | Gravel/Sand Pit _____ | Truck to Plant _____ |
| Open Pit _____ | Clay Pit _____ | Borrow Pit _____ |
| Single Bench _____ | Drill & Blast _____ | Tailing Pond _____ |
| Slurry Pump _____ | Waste Dump <u>XX</u> | Rail Line _____ |
| Other _____ | | |

Quarry:

| | |
|------------------|---------------------------|
| Hilltop _____ | Shovel _____ |
| Multibench _____ | Gravel Bar Skimming _____ |
| Sidehill _____ | Dragline _____ |
| Low Level _____ | Other _____ |

Processing:

If processing of the ore or minerals mined is planned to be conducted on-site or adjacent to the extraction area, briefly describe the nature of the processing, and explain the disposal method for tailings or waste from the processing. A flow chart or schematic diagram of the processing procedure may be attached. Does not apply.

Toxic Substances:

Do you plan to use cyanide, aqua regia, mercury, or other toxic materials in your operations? NO

Water:

Estimate the quantity (gpd) of water required by the mining and processing operation. Specify the proposed source of this water, the method of

transport to the property, and the quantity and method of disposal of used and/or surplus water: Water is hauled to the quarry and throughout the facility to control dust from traffic on the roads. Water will be hauled occasionally to these millsites for dust control, during such times as waste materials are being hauled.

Reclamation Plan and Proposal Measures to Prevent undue and Unnecessary Degradation:

Describe the methods, including the sequence and timing, that will be used to complete the final reclamation of the land disturbed in your proposed mining operations.

The waste lime dumps have been covered with chat from the stone crushing operations to control dust and provide a good working surface. This dump may seem to be a reclamation concern, however, in the present marketing structure in the lime industry, lime from this dump is considered a saleable product for many pollution control industries. However, any portion of the lime dump that still exists when operations cease will be reclaimed. The front of the dumps will be pulled down to a 3 : 1 slope and covered with fines to establish a good supportable surface. Regrading during final reclamation will be done to blend in with the surrounding landscape as much as possible. Drainages will be constructed on the sides of the dump to facilitate runoff. The final configuration of the lime dump will be covered with chat and revegetated. Species selected for revegetation of the waste rock dump will be chosen for rapid growth to stabilize soil.

Materials deposited in the waste rock dump are also looked upon as potential saleable product. Other limestone operations have sold their waste rock for rip rap. CLC sells its waste rock whenever the market allows.

The waste rock dump will be reclaimed to blend into the surrounding topography to the extent practical. Out slopes will be maintained to 2 : 1 or less. Reclamation efforts for the waste rock dump will include regrading and covering the dump with chat as needed to provide for revegetation. The sizing and distribution of the waste rock in this dump, maximizes stability and allows for the 2 : 1 slope. The upper surface of the dump will be sloped into the topography to prevent drainage off the face of the dump and allow for drainage off the upper portion of the dump.

Regrading during final reclamation will be done to blend in with the surrounding landscape as much as possible. Drainages will be constructed on the sides of the dump to facilitate runoff. The final configuration of the waste rock dump will be covered with chat and revegetated. Species selected for revegetation of the waste rock dump will be chosen for rapid growth to stabilize soil.

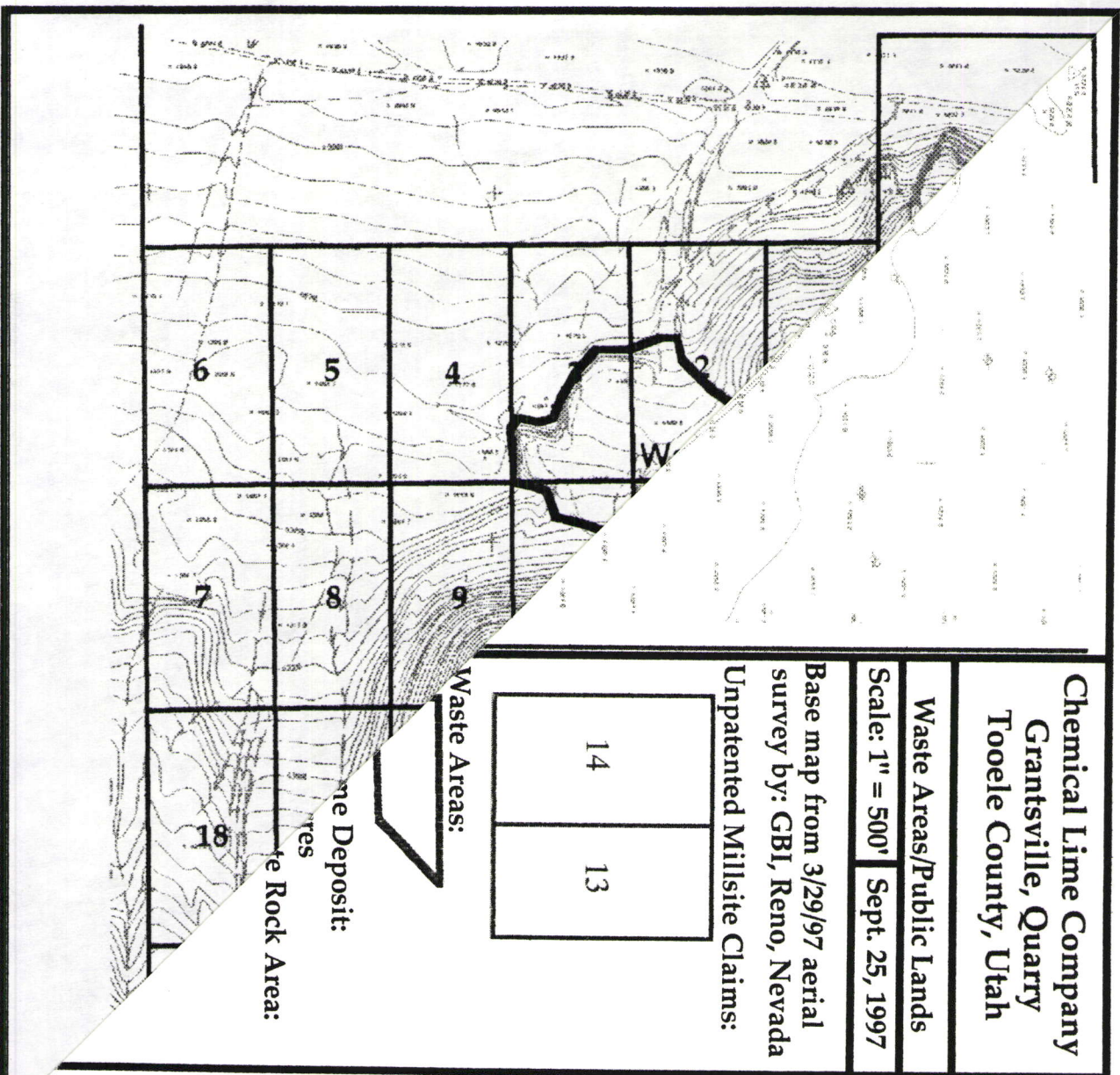
All access roads will be brought into condition suitable to sustain revegetation. These roads will be partially recontoured by backfilling the road with downslope fill material. This can commonly be accomplished by pulling the berm and spreading it across the road. All roads will be outsloped and graded to establish natural drainage and prevent channeling. Compacted road surfaces will be loosened or ripped, and, where possible, steep cut or fill areas will be graded to reduce slopes. Erosion control methods will be implemented as necessary during reclamation. Material will be placed on prioritized portions of road surfaces, amended, and reseeded. Banks and slopes of the road will be hand seeded and mulched if necessary.

Reclamation of all areas disturbed will be completed to the standard described in 43 CFR 3809.1-3(d) and that reasonable measures will be taken to prevent unnecessary and undue degradation of Federal lands during operations.

Operator/Claimant Signature *Harrell S. Smith* Date 9-28-87

ATTACHMENTS:

- 1 - copy DISTURBED ACREAGE ESTIMATE
- 1 - copy RECLAMATION CONTRACT, between Chemical Lime Company and State of Utah, Department of Natural Resources, Division of Oil, Gas, and Mining.
- 1 - copy SURETY BOND
- 1 - copy RECLAMATION ESTIMATE COMPARISON, showing estimates by the State of Utah, and Chemical Lime Company.
- 1 - copy Letter from State of Utah to Chemical Lime Company, CONDITIONAL TENTATIVE APPROVAL, explains revegetation plan.
- 1 - copy PLANT COMMUNITY SURVEY
- 1 - copy TOPO. MAP showing Dolomite Millsite Claims and areas disturbed.



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SEP 30 1997
DIV. OF OIL, GAS & MINING

